

Abstract of the Disclosure

In a spectrophotometer, a position of a motor corresponding to a 254 nm bright line in the last check is read out from a memory section, and only a low-pressure mercury lamp is lighted up to scan a grating around the 254 nm line position in the last check, so that the 254 nm line position where a 254 nm line is ejected on a cell is detected. The low-pressure mercury lamp is turned off, and after only a D₂ lamp is lighted up, the grating is scanned to detect an original position where an original or zero-order light is ejected on the cell and a 656 nm line position where a 656 nm line is ejected on the cell. Then, based on the 254 nm line position and the 656 nm line position which are actually measured, wavelength check is carried out.